### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## : INDIA BURKERI NI RIKUK BURK BURK KI KI BURK KUKI BURK BURK KI KI KI BURK BURK BURK BURK KI KI KI KI KI KI KI

# (43) International Publication Date 16 October 2003 (16.10.2003)

#### PCT

# (10) International Publication Number WO 03/084787 A1

(51) International Patent Classification<sup>7</sup>: B60R 25/00, B60K 28/02

(21) International Application Number: PCT/FI03/00260

(22) International Filing Date: 7 April 2003 (07.04.2003)

(25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data: 20020653

5 April 2002 (05.04.2002) 1

(71) Applicant (for all designated States except US): TAIPALE AUTOMOTIVE OY [FI/FI]; Karhumäentie 1, FIN-33950 Pirkkala (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): TAIPALE, Asko [FI/FI]; Haavikontie 11, FIN-33800 Tampere (FI).

(74) Agent: NIEMINEN, Taisto; Patenttitoimisto T. Nieminen Oy, Kehräsaari B, FIN-33200 Tampere (FI).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

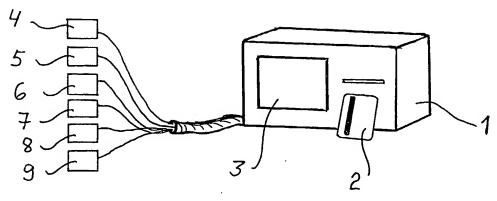
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR IDENTIFYING A PERSON DRIVING A VEHICLE AND CONTROLLING DRIVING MANNER



(57) Abstract: A method to identify a person driving a vehicle and his/hers driving style and also to switch on the vehicle either to driving-allowing mode or on drive-stop mode, whereby in the method the vehicle comprises a card or another similar object containing data, a scanner, and the driver is provided with said data-containing card or with a similar object. In the method driving style information of the driver is stored on said card or object, and on starting driving the driver inserts the card or object into the vehicle scanner, whereby data received from selected vehicle controls and/or data from varying information-collecting detectors is compared with information stored on driver's driving style card and on basis of the comparison the control unit in the vehicle either allows driving or informs of drive-stop or of other consequence of that kind.

## INTERNATIONAL SEARCH REPORT

PCT/FI 03/00260

#### A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B60R 25/00, B60K 28/02
According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

#### IPC7: B60R, B60K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

#### SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

### EPO-INTERNAL, WPI DATA, PAJ

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5465079 A (BOUCHARD ET AL), 7 November 1995 (07.11.95), column 5, line 6 - column 6, line 32; column 28, line 44 - column 29, line 17; column 30, line 7 - column 32, line 12, figure 18, abstract	1-10
	<del></del>	
Y	US 6310542 B1 (GEHLOT), 30 October 2001 (30.10.01), column 3, line 56 - column 4, line 36	1-10
	<del></del>	
A	US 5570087 A (LEMELSON), 29 October 1996 (29.10.96), abstract	1-10

<u>X</u>	Further documents are listed in the continuation of Box	C.	X See patent family annex.	
*	Special categories of cited documents:	<b>"</b> l"	later document published after the international filing date or priority	
"A"	document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive	
"L"	document which may throw doubts on priority claim(s) or which is		step when the document is taken alone	
	cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance: the claimed invention cannot be	
<b>"</b> O"	document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive step when the document is combined with one or more other such documents, such combinate heing obvious to a person skilled in the art document member of the same patent family	
"P"	document published prior to the international filing date but later than the priority date claimed	"& <b>"</b>		
Dat	e of the actual completion of the international search	Date	of mailing of the international search report	
_ 5	June 2003		1 2 -06- 2003	
Name and mailing address of the ISA/		Authorized officer		
	edish Patent Office			
Box 5055, S-102 42 STOCKHOLM		Ann Börjeson/EK		

Telephone No.

+46 8 782 25 00

Facsimile No. +46 8 666 02 86

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 03/00260

		PCI/FI U3/	00200
C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No
A	GB 2366062 A (PHILIP JOHN PEARCE), 27 February 2002 (27.02.02), page 2, line 17 - page 3, line 12; page 4, line 7 - line 24		1-10
A	DE 10064469 A1 (BINDER, JÜRGEN), 20 June 2002 (20.06.02), column 1, line 1 - column 2,	line 55	1-10

Form PCT/ISA/210 (continuation of second sheet) (July 1998)

### INTERNATIONAL SEARCH REPORT

Information on patent family members

29/04/03

International application No. PCT/FI 03/00260

Patent family Publication Patent document Publication member(s) date cited in search report date 195387 T 15/08/00 5465079 07/11/95 **AT** US 677858 B 08/05/97 AU 14/03/95 AU 7396494 A BR 9407460 A 12/11/96 CA 2169262 A 23/02/95 DE 69425500 D,T 19/04/01 0713595 A.B 29/05/96 EP JP 9501784 T 18/02/97 WO 9505649 A 23/02/95 15/11/99 AT 186124 T 672821 B 17/10/96 AU 5003393 A 15/03/94 AU BR 08/12/98 9306885 A 2141546 A,C 03/03/94 CA 69326896 D,T 15/06/00 DE EP 0655141 A.B 31/05/95 SE 0655141 T3 06/09/99 JP 2945821 B JP 6167565 A 14/06/94 254144 B 15/04/00 **KR** 5302956 A US 12/04/94 WO 9404940 A 03/03/94 21/03/96 AU 667399 B 15/03/94 5003193 A ΑU BR 9306901 A 08/12/98 03/03/94 CA 2141971 A,C ΕP 31/05/95 0655150 A JP 12/08/94 6223249 A KR 267026 B 15/09/00 US 5581464 A,B 03/12/96 WO 9404975 A 03/03/94 US 2001040504 A 15/11/01 6310542 B1 30/10/01 US 08/09/98 US 5805079 A US 5570087 A 29/10/96 10/05/01 AU 7932300 A GB 2366062 A 27/02/02 1218034 A 03/07/02 EP 00/00/00 GB 0020151 D 24/06/02 AU 2963102 A DE 10064469 A1 20/06/02 20/06/02 0248968 A WO